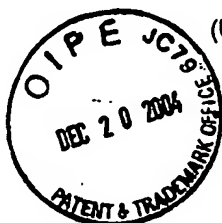


FORM PTO-1449 (Rev. 2-32)	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. 02-326-A (400.046)	Serial No. 10/724,270
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Applicant: James McSwiggen	
(Use several sheets if necessary)		Filing Date: November 26, 2003	Group: 1635



U.S. PATENT APPLICATION DOCUMENTS

Examiner Initial		Application Number	Filing Date	Name			Publication Date
JDS	*	08/878,640	06/19/1997	Ludwig et al.			
	*	60/082,404	04/20/1998	Thompson et al.			
	*	60/101,174	09/14/1998	Hartmann et al.			
	*	US 2001/0007666	01/05/1999	Hoffman et al.			07/12/01
	*	09/301,511	04/28/1999	Beigelman et al.			
	*	09/476,387	12/30/1999	Beigelman et al.			
	*	09/740,332	12/18/2000	Blatt et al.			
	*	US 2002/0130430	12/29/2000	Castor			09/19/02
	*	09/800,594	03/06/2001	Usman and McSwiggen			
	*	60/292,217	05/18/2001	Adamic et al.			
	*	60/306,883	07/20/2001	Vargeese et al.			
	*	09/918,728	07/31/2001	Beigelman et al.			
	*	US 2002/0137210	08/09/2001	Churikov			09/26/02
	*	10/201,394	08/13/2001	Vargeese et al.			
	*	60/311,865	08/13/2001	Vargeese et al.			
	*	60/358,580	02/20/2002	Beigelman et al.			
	*	60/362,016	03/06/2002	Matulic-Adamic et al.			

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

Examiner Initial		Application Number	Filing Date	Name			Publication Date
JDS	*	60/363,124	03/11/2002	Beigelman et al.			
	*	10/151,116	05/17/2002	Matulic-Adamic et al.			
	*	60/386,782	06/06/2002	Beigelman et al.			
	*	60/402,996	08/13/2002	Usman et al.			
	*	60/406,784	08/29/2002	Beigelman et al.			
	*	60/408,378	09/05/2002	Beigelman et al.			
	*	60/409,293	09/09/2002	Beigelman et al.			
	*	60/440,129	01/15/2003	Beigelman et al.			
	*	10/417,012	04/16/2003	McSwiggen et al.			
	*	10/422,704	04/24/2003	McSwiggen et al.			
	*	10/427,160	04/30/2003	Vargeese et al.			
	*	10/444,853	05/23/2003	McSwiggen et al.			
	*	10/652,791	08/29/2003	McSwiggen et al.			
	*	10/693,059	10/23/2003	McSwiggen et al.			
	*	10/720,448	11/24/2003	McSwiggen et al.			
	*	10/727,780	12/03/2003	Vaish et al.			
	*	60/543,480	02/10/2004	Jadhavi et al.			

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Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
	*	4,987,071	01/22/1991	Cech et al.			
	*	5,108,921	04/28/1992	Low et al.			
	*	5,138,045	08/11/1992	Cook et al.			
	*	5,214,136	05/25/1993	Lin et al.			
	*	5,270,163	12/14/1993	Gold et al.			
	*	5,334,711	08/02/1994	Sproat et al.			
	*	5,416,016	05/16/1995	Low et al.			

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Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
JDS	*	5,475,096	12/12/1995	Gold et al.			
	*	5,525,468	06/11/1996	McSwiggen			
	*	5,589,332	12/31/1996	Shih et al.			
	*	5,599,704	02/04/1997	Thompson et al.			
	*	5,624,803	04/29/1997	Noonberg et al.			
	*	5,627,053	05/06/1997	Usman et al.			
	*	5,631,359	05/20/1997	Chowrira et al.			
	*	5,631,360	05/20/1997	Usman et al.			
	*	5,633,133	05/27/1997	Long et al.			
	*	5,670,633	09/23/1997	Cook et al.			
	*	5,672,695	09/30/1997	Eckstein et al.			
	*	5,693,535	12/02/1997	Draper et al.			
	*	5,716,824	02/10/1998	Beigelman et al.			
	*	5,741,679	04/21/1998	George et al.			
	*	5,792,847	08/11/1998	Buhr et al.			
	*	5,804,683	09/08/1998	Usman et al.			
	*	5,807,718	09/15/1998	Joyce et al.			
	*	5,814,620	09/29/1998	Robinson et al.			
	*	5,831,071	11/03/1998	Usman et al.			
	*	5,834,186	11/10/1998	George et al.			
	*	5,849,902	12/15/1998	Arrow et al.			
	*	5,854,038	12/29/1998	Sullenger et al.			
	*	5,871,914	02/16/1999	Nathan			
	*	5,889,136	03/30/1999	Scaringe et al.			
	*	5,898,031	04/27/1999	Crooke			
	*	5,902,880	05/11/1999	Thompson et al.			
	*	5,910,583	06/08/1999	Marks et al.			

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JDS	*	5,968,748	10/19/1999	Bennett et al.			
	*	5,972,704	10/26/1999	Draper et al.			
	*	5,989,912	11/23/1999	Arrow et al.			
	*	5,998,203	12/07/1999	Adamic et al.			
	*	6,001,311	12/14/1999	Brennan			
	*	6,005,087	12/21/1999	Cook et al.			
	*	6,008,400	12/28/1999	Scaringe et al.			
	*	6,054,299	04/25/2000	Conrad			
	*	6,054,576	04/25/2000	Bellon et al.			
	*	6,057,156	05/02/2000	Akhtar et al.			
	*	6,107,062	08/22/2000	Hu et al.			
	*	6,107,094	08/22/2000	Crooke			
	*	6,111,086	08/29/2000	Scaringe et al.			
	*	6,117,657	09/12/2000	Usman et al.			
	*	6,127,173	10/03/2000	Eckstein et al.			
	*	6,146,886	11/14/2000	Thompson et al.			
	*	6,153,737	11/28/2000	Manoharan et al.			
	*	6,159,692	12/12/2000	Draper et al.			
	*	6,159,714	12/12/2000	Usman et al.			
	*	6,162,909	12/19/2000	Bellon et al.			
	*	6,168,778	01/02/2001	Janjic et al.			
	*	6,180,613	01/30/2001	Kaplitt et al.			
	*	6,235,310	05/22/2001	Wang et al.			
	*	6,235,886	05/22/2001	Manoharan et al.			
	*	6,248,878	06/19/2001	Adamic et al.			
	*	6,300,074	10/09/2001	Gold			
	*	6,303,773	10/16/2001	Bellon et al.			

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Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
JDS	*	6,335,434	01/01/2002	Guzaev et al.			
	*	6,353,098	03/05/2002	Usman et al.			
	*	6,362,323	03/26/2002	Usman et al.			
	*	6,372,427	04/16/2002	Kandimalla et al.			
	*	6,395,492	05/28/2002	Manoharan et al.			
	*	6,395,713	05/28/2002	Beigelman et al.			
	*	6,437,117	08/20/2002	Usman et al.			
	*	6,447,796	09/10/2002	Vook et al.			
	*	6,469,158	10/22/2002	Usman et al.			
	*	6,476,205	11/05/2002	Buhr et al.			
	*	6,528,631	03/04/2003	Cook et al.			
	*	6,506,559	06/14/2003	Fire et al.			
	*	6,586,524	07/01/2003	Sagara			
	*	6,617,156	09/09/2003	Doucette-Stam et al.			

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		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
	*	88/09810	12/15/1988	WO (Tullis et al.)				
	*	89/02439	03/23/1989	WO (Arnold et al.)				
	*	0 360 257	03/28/1990	EP (Hampel et al.)				
	*	90/12096	10/18/1990	WO (Low et al.)				
	*	90/14090	11/29/1990	WO (Gillespie et al.)				
	*	91/03162	03/21/1991	WO (Rossi et al.)				
	*	91/18913	12/12/1991	WO (Scanlon et al.)				
	*	91/18625	12/12/1991	WO (Scanlon et al.)				
	*	91/18624	12/12/1991	WO (Scanlon et al.)				

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		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
JDS	*	92/00080	01/09/1992	WO (Reddy et al.)				
	*	92/07065	04/30/1992	WO (Eckstein et al.)				
	*	93/15187	08/05/1993	WO (Usman et al.)				
	*	93/23569	11/25/1993	WO (Draper et al.)				
	*	93/23057	11/25/1993	WO (Thompson and Draper)				
	*	94/01550	01/20/1994	WO (Agrawal et al.)				
	*	94/02595	02/03/1994	WO (Sullivan et al.)				
	*	95/04818	02/16/1995	WO (Draper et al.)				
	*	95/06731	03/09/1995	WO (Usman et al.)				
	*	95/11304	04/27/1995	WO (Usman et al.)				
	*	95/11910	05/04/1995	WO (Dudycz et al.)				
	*	95/13380	05/18/1995	WO (Draper et al.)				
	*	95/23225	08/31/1995	WO (Stinchcomb et al.)				
	*	96/10392	04/11/1996	WO (Holland et al.)				
	*	96/10391	04/11/1996	WO (Choi et al.)				
	*	96/10390	04/11/1996	WO (Ansell et al.)				
	*	96/18736	06/20/1996	WO (Beigelman et al.)				
	*	96/22689	08/01/1996	WO (Pyle et al.)				
	*	97/26270	07/24/1997	WO (Beigelman et al.)				
	*	808 898	11/26/1997	EP (Uhlmann et al.)				
	*	98/13526	04/02/1998	WO (Woolf et al.)				
	*	98/27104	06/25/1998	WO (Breaker et al.)				
	*	98/28317	07/02/1998	WO (Matulic-Adamic et al.)				
	*	98/43993	10/08/1998	WO ((Breaker et al.)				
	*	98/58058	12/23/1998	WO (Ludwig & Sproat)				
	*	99/05094	02/04/1999	WO (Beigelman et al.)				

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		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
JDS	*	99/04819	02/04/1999	WO (Klimuk)				
	*	99/07409	02/18/1999	WO (Deschamps de Paillette et al.)				
	*	99/14226	03/25/1999	WO (Wengel et al.)				
	*	99/17120	04/08/1999	WO (Davis and Bishop)				
	*	99/16871	04/08/1999	WO (Eckstein et al.)				
	*	99/29842	06/17/1999	WO (Sullenger et al.)				
	*	99/31262	06/24/1999	WO (Barry et al.)				
	*	99/31118	06/24/1999	WO (Czubayko and Wellstein)				
	*	99/32619	07/01/1999	WO (Fire et al.)				
	*	99/45146	09/10/1999	WO (Todd et al.)				
	*	99/49029	09/30/1999	WO (Graham et al.)				
	*	99/50452	10/07/1999	WO (Todd et al.)				
	*	99/53050	10/21/1999	WO (Waterhouse et al.)				
	*	99/54459	10/28/1999	WO (Thompson et al.)				
	*	99/55857	11/04/1999	WO (Beigelman et al.)				
	*	99/61631	12/02/1999	WO (Heifetz et al.)				
	*	99/66063	12/23/1999	WO (Manoharan et al.)				
	*	00/01846	01/13/2000	WO (Plaetinck et al.)				
	*	00/17369	03/30/2000	WO (Gurney et al.)				
	*	00/22113	04/20/2000	WO (Skillern)				
	*	00/22114	04/20/2000	WO (Conrad et al.)				
	*	00/24931	05/04/2000	WO (Nathan and Ellington)				
	*	00/26226	05/11/2000	WO (Breaker et al.)				
	*	00/44895	08/03/2000	WO (Kreutzer et al.)				
	*	00/44914	08/03/2000	WO (Li et al.)				
	*	2,359,180	08/03/2000	CA (Kreutzer et al.)				

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		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
JDS	*	00/49035	08/24/2000	WO (Sheen)				
	*	00/53722	09/14/2000	WO (O'Hare & Normand)				
	*	00/63364	10/26/2000	WO (Pachuk et al.)				
	*	00/66604	11/09/2000	WO (Wengel et al.)				
	*	199 25 052	12/07/2000	DE (Cherkasky et al.)				
	*	01/04313	01/18/2001	WO (Satishchandran et al.)				
	*	01/16312	03/08/2001	WO (McSwiggen et al.)				
	*	2001240375	03/16/2001	AU (Graham et al.)				
	*	01/29058	04/26/2001	WO (Mello et al.)				
	*	01/36646	05/25/2001	WO (Zernicka-Goetz et al.)				
	*	01/92513	05/29/2001	WO (Ardnt et al.)				
	*	01/38551	05/31/2001	WO (Grossniklaus)				
	*	01/42443	06/14/2001	WO (Churikov et al.)				X
	*	01/49877	07/12/2001	WO (Todd)				
	*	01/49844	07/12/2001	WO (Driscoll et al.)				
	*	01/53475	07/26/2001	WO (Cogoni et al.)				
	*	01/68836	09/20/2001	WO (Beach et al.)				
	*	01/70949	09/27/2001	WO (Graham et al.)				
	*	01/70944	09/27/2001	WO (Honer et al.)				
	*	01/72774	10/04/2001	WO (Deak et al.)				
	*	01/75164	10/11/2001	WO (Tuschl et al.)				
	*	01/96584	12/20/2001	WO (Mushegian et al.)				
	*	1 144 623 B1	01/29/2002	EP (Kreutzer et al.)				
	*	02/15876	02/28/2002	WO (Beigelman et al.)				
	*	02/22636	03/21/2002	WO (Bennett et al.)				
	*	02/38805	05/16/2002	WO (Echeverri et al.)				

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							Yes	No
JDS	*	02/44321	06/06/2002	WO (Tuschl et al.)				
	*	02/55693	07/18/2002	WO (Kreutzer et al.)				
	*	02/55692	07/18/2002	WO (Kreutzer et al.)				
	*	02/094185	11/28/2002	WO (Beigelman et al.)				
	*	03/05028	02/20/2003	WO (McSwiggen et al.)				
	*	03/05346	02/20/2003	WO (McSwiggen et al.)				
	*	03/024420	03/27/2003	WO (Ahlheim et al.)				
	*	03/046185	06/05/2003	WO (Wang et al.)				
	*	03/047518	06/12/2003	WO (Wang et al.)				
	*	03/064626	08/07/2003	WO (Woolf et al.)				
	*	03/064625	08/07/2003	WO (Woolf et al.)				
	*	03/070918	08/28/2003	WO (McSwiggen et al.)				
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	*	Abramovitz et al., "Catalytic Role of 2'-Hydroxyl Groups Within a Group II Intron Active Site," Science 271:1410-1413 (1996)
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↓	*	Antopolsky et al., "Peptide-Oligonucleotide Phosphorothioate Conjugates with Membrane Translocation and Nuclear Localization Properties," Bioconjugate Chem. 10:598-606 (1999)

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JDS	* Arap et al., "Cancer Treatment by Targeted Drug Delivery to Tumor Vasculature in a Mouse Model," Science 279:377-380 (1998)
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✓	* Berkman et al., "Expression of the Vascular Permeability Factor/Vascular Endothelial Growth Factor Gene in Central Nervous System Neoplasms," The Journal of Clinical Investigation, Inc. 91:153-159 (1993)

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JDS	*	Berstein et al., "Role for a bidentate ribonuclease in the initiation step of RNA interference," Nature 409:363-366 (2001)
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